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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/620,165	07/20/2000	Balbir Singh	JJM-550	3391
7590	03/09/2004			
			EXAMINER	
			TAWFIK, SAMEH	
			ART UNIT	PAPER NUMBER
			3721	4
DATE MAILED: 03/09/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	09/620,165	SINGH, BALBIR	
<b>Examiner</b>	<b>Art Unit</b>		
Sameh H. Tawfik	3721		

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 09 February 2004.

2a) This action is **FINAL**.      2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1-25 is/are pending in the application.

4a) Of the above claim(s) 17-25 is/are withdrawn from consideration.

5) Claim(s) \_\_\_\_\_ is/are allowed.

6) Claim(s) 1-16 is/are rejected.

7) Claim(s) \_\_\_\_\_ is/are objected to.

8) Claims \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on \_\_\_\_\_ is/are objected to by the Examiner.

11) The proposed drawing correction filed on \_\_\_\_\_ is: a) approved b) disapproved.

12) The oath or declaration is objected to by the Examiner.

#### Priority under 35 U.S.C. § 119

13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All b) Some \* c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

14) Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).

#### Attachment(s)

15) Notice of References Cited (PTO-892)

16) Notice of Draftsperson's Patent Drawing Review (PTO-948)

17) Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_.

18) Interview Summary (PTO-413) Paper No(s) \_\_\_\_\_.

19) Notice of Informal Patent Application (PTO-152)

20) Other: \_\_\_\_\_.

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 102***

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(a) the invention was known or used by others in this country, or patented or described in a printed publication in this or a foreign country, before the invention thereof by the applicant for a patent.

Claims 1-4 and 10-13 are rejected under 35 U.S.C. 102(a) as being anticipated by Stivani (Germen Patent 199 05 520).

Stivani discloses a folding device comprising a primary roller (via the roller in above spool 8 and/or roller 11) for receiving a material (4) to be folded; a primary disk (via 10) in communication with the roller for creasing and folding the material as the material travels from the roller to the disk (Fig. 1); the primary roller and the primary disk are both free spinning (Fig. 1; note that the web been bulled by other rollers via 29, 27, and 22 which cause a spinning of the roller and disk 10).

Regarding claims 2 and 11: the primary roller (via the roller in above spool 8) further comprises a notch (Fig. 1) and/or roller 11 with notch.

Regarding claims 3, 4, and 12: the primary disk is biased to be in contact with the notch and the disk is normal to the primary roller (Fig. 1; via roller 11 and disk 10).

Regarding claim 13: the disk (10) is normal to the primary roller (11).

Regarding claims 10: a feeding roller (via 29) a pair of fold rollers (via 27).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 5-9 and 14-16 are rejected under 35 U.S.C. 103(a) as being unpatentable over Stivani (Germen Patent 199 05 520).

Stivani does not clearly discloses that the primary roller is a drive roller and the primary disk is free spinning disk nor the primary disk is a drive disk and the roller is a free spinning roller nor the feed roller is a drive roller. However, it would have been an obvious matter of design choice to have modified Stivani's folding device by having the primary roller is a drive roller and the primary disk is free spinning disk and/or the primary disk is a drive disk and the roller is a free spinning roller and/or the feed roller is a drive roller, since the examiner takes an official notice that the mentioned driving means in either the disk or the roller is old, well known, and available in the art.

Regarding claim 7: the primary roller further comprises a notch (via blade portion 20 on 10).

*Stivani*  
Regarding claims 8 and 9: ~~Palmer~~ discloses the primary disk is biased to be in contact with the notch and the disk is normal to the primary roller (Fig. 2).

#### ***Response to Arguments***

Applicant point out to the arguments that were filed in the Appellant's Brief in paper # 24 as response to the rejection filed in paper # 25. The examiner believes the previous rejection is different and the arguments filed in the Brief is not proper response to the rejection, because the

examiner in the previous rejection further pointed out to primary roller (via the roller located above spool 8) for receiving a material (4) to be folded.

Applicant were arguing about "as said material travels from said roller to said disk." as not disclosed by Stivani's reference. However, the examiner believes that Stivani discloses these limitations as of the edges of the web travel 90 degrees away from the rollers 11 to disk 10 while the disk is folding the web through the roller's notch, the web surround the disk.

***Conclusion***

**THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sameh H. Tawfik whose telephone number is (703) 308-2809. The examiner can normally be reached on Tuesday - Friday from 8:00 AM to 6:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rinaldi Rada can be reached on (703) 308-2187. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

ST.



Mickey Yu  
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